

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031621\
 Data File : VX021239.D
 Acq On : 16 Mar 2021 11:23
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/17/2021 4:23:41 PM

Quant Time: Mar 16 12:22:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 16 12:20:48 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.629	168	84931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.835	114	144780	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	130099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.065	152	62717	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	25300	17.59	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	35.18%#		
35) Dibromofluoromethane	5.470	113	17072	17.18	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	34.36%#		
50) Toluene-d8	8.694	98	62236	17.42	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	34.84%#		
62) 4-Bromofluorobenzene	11.118	95	24063	17.56	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	35.12%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.187	85	18847	17.40	ug/l	97
3) Chloromethane	1.317	50	28246	23.95	ug/l	100
4) Vinyl Chloride	1.399	62	19189	17.72	ug/l	97
5) Bromomethane	1.628	94	9193	15.33	ug/l	94
6) Chloroethane	1.711	64	12212	18.89	ug/l	98
7) Trichlorofluoromethane	1.917	101	30397	18.00	ug/l	96
8) Diethyl Ether	2.170	74	10225	17.85	ug/l	82
9) 1,1,2-Trichlorotrifluo...	2.364	101	16491	17.92	ug/l	94
10) Methyl Iodide	2.493	142	12977	11.37	ug/l #	86
11) Tert butyl alcohol	3.017	59	21920	87.58	ug/l	97
12) 1,1-Dichloroethene	2.358	96	16218	17.81	ug/l	89
13) Acrolein	2.275	56	12189	79.47	ug/l	96
14) Allyl chloride	2.711	41	33453	16.83	ug/l #	89
15) Acrylonitrile	3.117	53	51609	92.63	ug/l	96
16) Acetone	2.423	43	47660	82.69	ug/l #	86
17) Carbon Disulfide	2.552	76	45700	17.07	ug/l	100
18) Methyl Acetate	2.752	43	25393	17.95	ug/l #	89
19) Methyl tert-butyl Ether	3.176	73	61448	17.71	ug/l	99
20) Methylene Chloride	2.834	84	19191	17.42	ug/l #	85
21) trans-1,2-Dichloroethene	3.146	96	17520	17.51	ug/l	91
22) Diisopropyl ether	3.829	45	65962	18.13	ug/l #	96
23) Vinyl Acetate	3.787	43	288105	90.37	ug/l #	92
24) 1,1-Dichloroethane	3.676	63	34734	17.73	ug/l	96
25) 2-Butanone	4.640	43	75004	89.71	ug/l #	87
26) 2,2-Dichloropropane	4.552	77	30007	16.91	ug/l	96
27) cis-1,2-Dichloroethene	4.564	96	20814	18.16	ug/l	90
28) Bromochloromethane	4.982	49	16302	16.84	ug/l	84
29) Tetrahydrofuran	5.093	42	49021	90.75	ug/l #	85
30) Chloroform	5.176	83	36635	17.94	ug/l	97
31) Cyclohexane	5.552	56	31062	17.03	ug/l	91
32) 1,1,1-Trichloroethane	5.464	97	31806	17.60	ug/l	94
36) 1,1-Dichloropropene	5.776	75	27000	17.87	ug/l	95
37) Ethyl Acetate	4.799	43	30133	17.97	ug/l #	94
38) Carbon Tetrachloride	5.758	117	28356	17.10	ug/l	97
39) Methylcyclohexane	7.441	83	29903	17.61	ug/l	91
40) Benzene	6.111	78	75550	17.83	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	5.005	41	16849	17.52	ug/l	89
42) 1,2-Dichloroethane	6.164	62	32646	18.16	ug/l	93
43) Isopropyl Acetate	6.411	43	50696	18.06	ug/l #	91
44) Trichloroethene	7.188	130	19354	17.31	ug/l	91
45) 1,2-Dichloropropane	7.488	63	20311	17.77	ug/l	95
46) Dibromomethane	7.641	93	14365	17.98	ug/l	91
47) Bromodichloromethane	7.876	83	29496	17.63	ug/l	99
48) Methyl methacrylate	7.747	41	26465	18.27	ug/l #	81
49) 1,4-Dioxane	7.717	88	9440	387.10	ug/l #	86
51) 4-Methyl-2-Pentanone	8.617	43	153204	95.37	ug/l	88
52) Toluene	8.765	92	46874	18.27	ug/l	99
53) t-1,3-Dichloropropene	9.023	75	30513	17.64	ug/l	100
54) cis-1,3-Dichloropropene	8.412	75	32766	17.68	ug/l #	82
55) 1,1,2-Trichloroethane	9.194	97	19537	18.44	ug/l	97
56) Ethyl methacrylate	9.159	69	31176	18.92	ug/l #	74
57) 1,3-Dichloropropane	9.353	76	34074	18.64	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.288	63	84597	102.42	ug/l	94
59) 2-Hexanone	9.471	43	116136	95.78	ug/l	85
60) Dibromochloromethane	9.565	129	21844	18.07	ug/l	98
61) 1,2-Dibromoethane	9.653	107	20093	18.11	ug/l	98
64) Tetrachloroethene	9.318	164	17810	16.26	ug/l #	87
65) Chlorobenzene	10.118	112	49630	18.48	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.206	131	18918	17.83	ug/l	99
67) Ethyl Benzene	10.235	91	91661	18.39	ug/l	98
68) m/p-Xylenes	10.341	106	66695	37.22	ug/l	94
69) o-Xylene	10.682	106	32521	18.79	ug/l	95
70) Styrene	10.694	104	53405	18.20	ug/l	94
71) Bromoform	10.841	173	14897	17.98	ug/l #	99
73) Isopropylbenzene	11.000	105	89085	18.38	ug/l	97
74) N-amyl acetate	10.882	43	44088	18.91	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	11.253	83	29459	19.45	ug/l	100
76) 1,2,3-Trichloropropane	11.277	75	28761m	18.57	ug/l	
77) Bromobenzene	11.241	156	20537	17.79	ug/l	90
78) n-propylbenzene	11.341	91	101016	18.07	ug/l	99
79) 2-Chlorotoluene	11.406	91	61168	18.07	ug/l	98
80) 1,3,5-Trimethylbenzene	11.488	105	74104	18.15	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.059	75	9180	16.72	ug/l #	82
82) 4-Chlorotoluene	11.494	91	71346	18.00	ug/l	98
83) tert-Butylbenzene	11.753	119	70777	18.93	ug/l	91
84) 1,2,4-Trimethylbenzene	11.788	105	75584	18.43	ug/l	96
85) sec-Butylbenzene	11.930	105	82963	18.36	ug/l	100
86) p-Isopropyltoluene	12.047	119	75507	18.17	ug/l	96
87) 1,3-Dichlorobenzene	12.006	146	37158	18.42	ug/l	98
88) 1,4-Dichlorobenzene	12.083	146	36847	17.74	ug/l	95
89) n-Butylbenzene	12.371	91	66901	17.60	ug/l	96
90) Hexachloroethane	12.577	117	11810	15.87	ug/l	86
91) 1,2-Dichlorobenzene	12.377	146	36638	18.45	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.983	75	7100	18.24	ug/l	80
93) 1,2,4-Trichlorobenzene	13.630	180	22240	17.40	ug/l	95
94) Hexachlorobutadiene	13.765	225	9066	16.41	ug/l	95
95) Naphthalene	13.818	128	81017	19.76	ug/l	99
96) 1,2,3-Trichlorobenzene	14.001	180	23114	18.27	ug/l	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

